



# FEMA



Prepared by  
*Kurt Van Speybroeck*

# FEMA Region 6 Weather Threat Briefing

Wednesday, February 13, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



**SR ROC**  
REGIONAL OPERATIONS CENTER

## Wednesday

- Red Flag warnings/critical fire weather pattern across NE NM into TX/OK Panhandles.

## Thursday

- Elevated/critical fire weather conditions across E NM into W TX/OK

## Friday – Saturday

- No significant impacts expected.
- Elevated fire weather conditions possible across SE NM/W TX by Saturday

## Sunday

- No significant weather expected

## River Flooding

- The MS River in NE AR will remain at Moderate to major flood stage.
  - Impacts: Flooding of secondary roads and low lying areas. Flooding of the pumphouse for the power plant (at 29 ft) near Osceola.
- Moderate flooding on the Black, Cache, Little Red, and St. Francis Rivers in NE AR. Cache River at Patterson forecast to reach major flood stage mid to late week.
  - Impacts: flooding of roads, including some state highways.

# FEMA Region 6 Threat Matrix

Feb 13, 2019 – Feb 17, 2019



**SR ROC**  
REGIONAL OPERATIONS CENTER

DAY / THREAT	WED	THU	FRI	SAT	SUN
Severe Storms					
Heavy Rain / Flash Flooding					
Winter Weather					
Fire Weather	NE NM TX/OK Panhandles	E NM W TX/W OK		SE NM/W TX	
River Flooding	NE AR	NE AR	NE AR	NE AR	NE AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

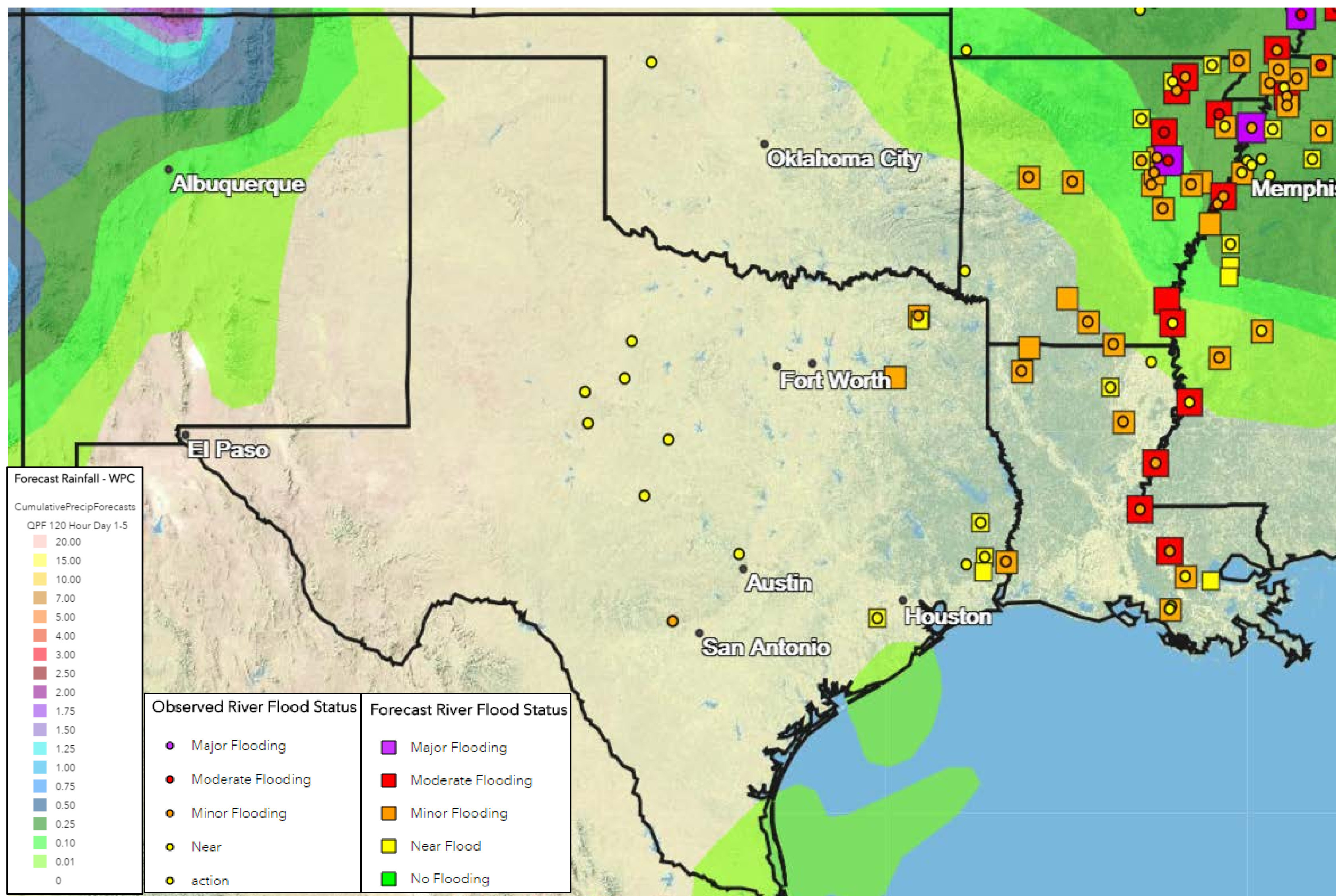


# 5-Day Precipitation Forecast & River Flood Status



SR ROC  
REGIONAL OPERATIONS CENTER

*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**The MS River in NE AR will remain at moderate to major flood stage. Impacts: flooded secondary roads. Flooding of the pumphouse area of the power plant near Osceola.**

**Moderate flooding on the Black, Cache, Little Red, and St. Francis Rivers in NE AR. Cache River at Patterson will reach major flood stage next week. Impacts: flooding of roads, including some state highways.**

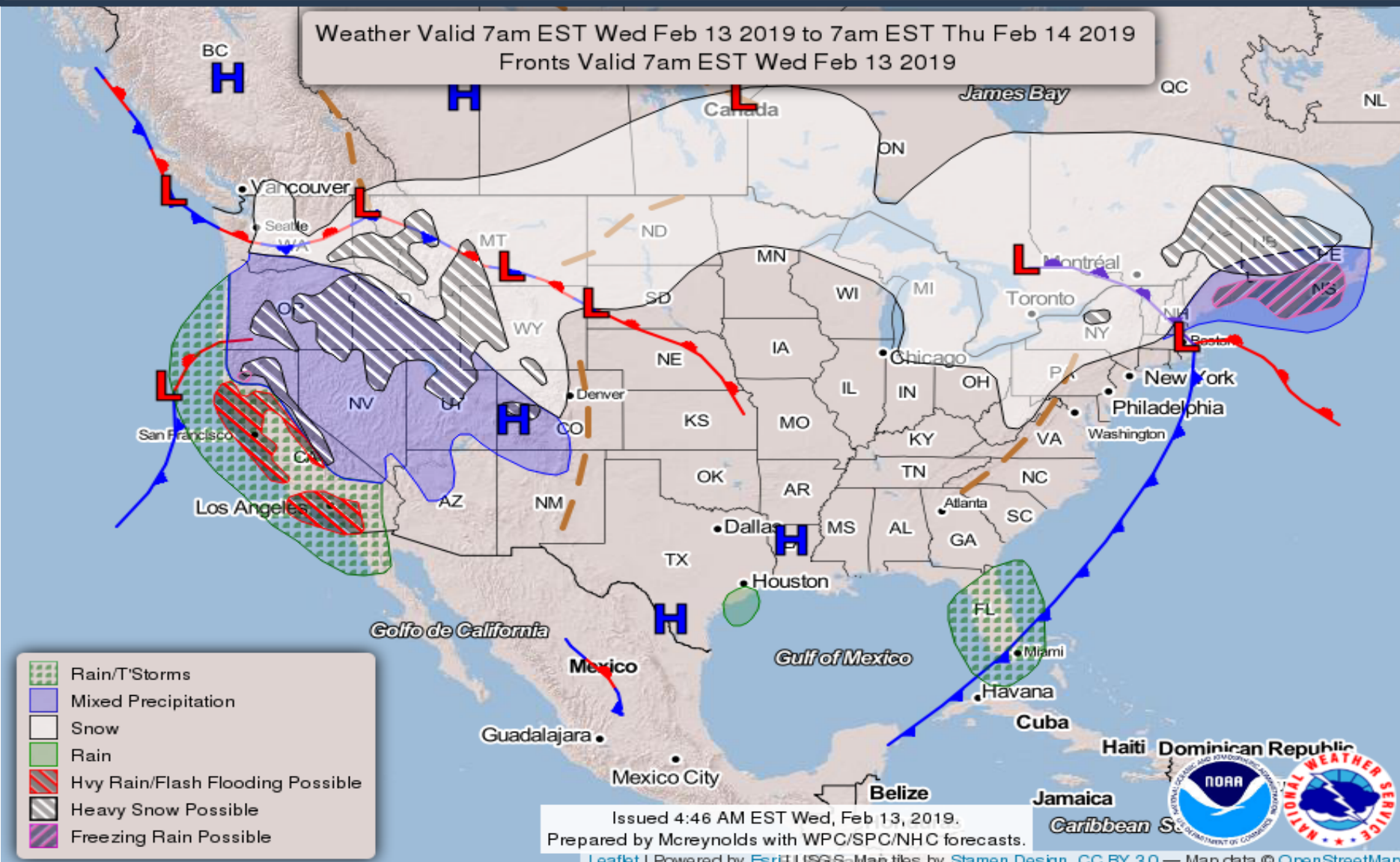


# Today's Weather

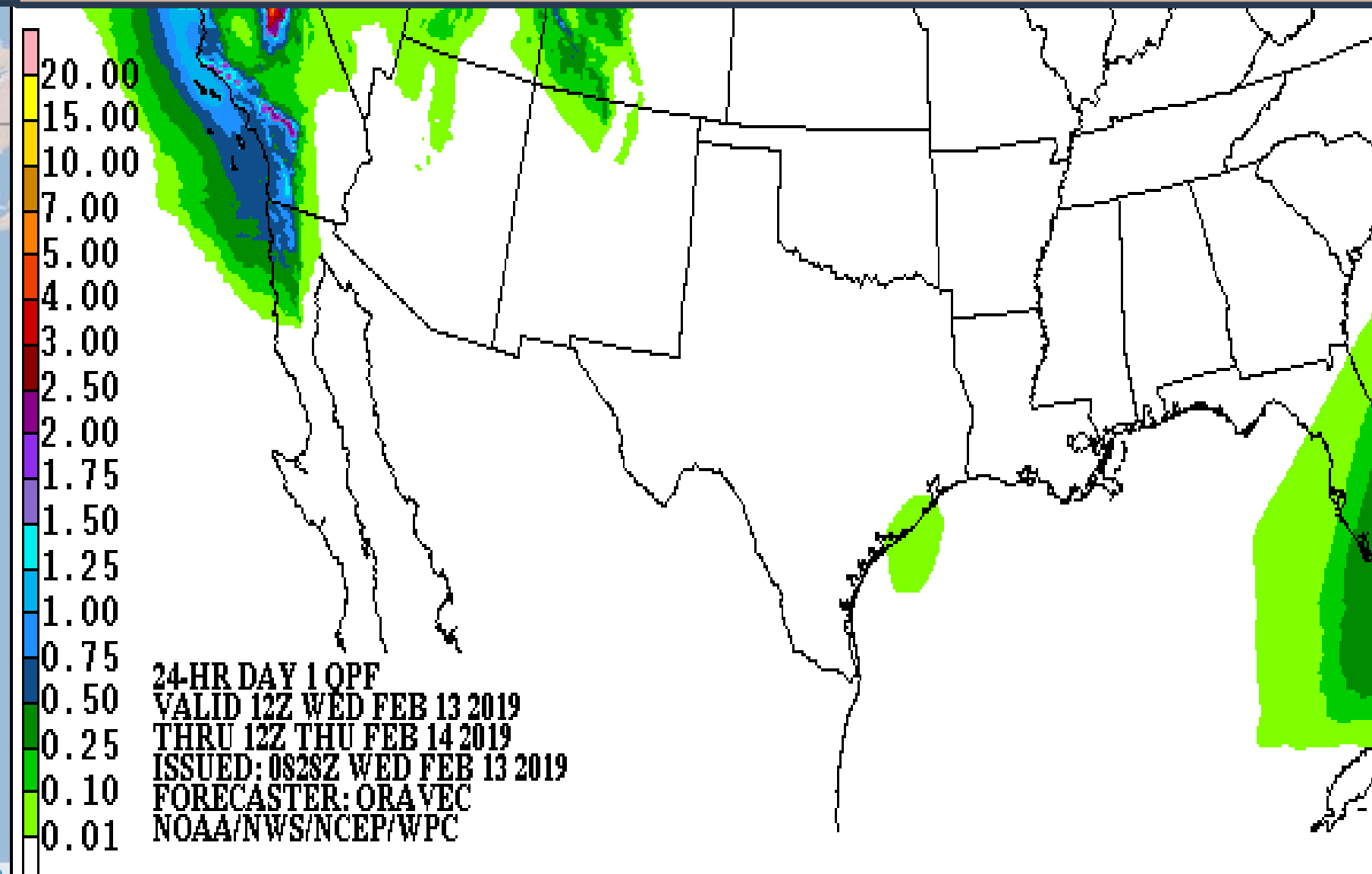


**SR ROC**  
REGIONAL OPERATIONS CENTER

## Forecast Chart

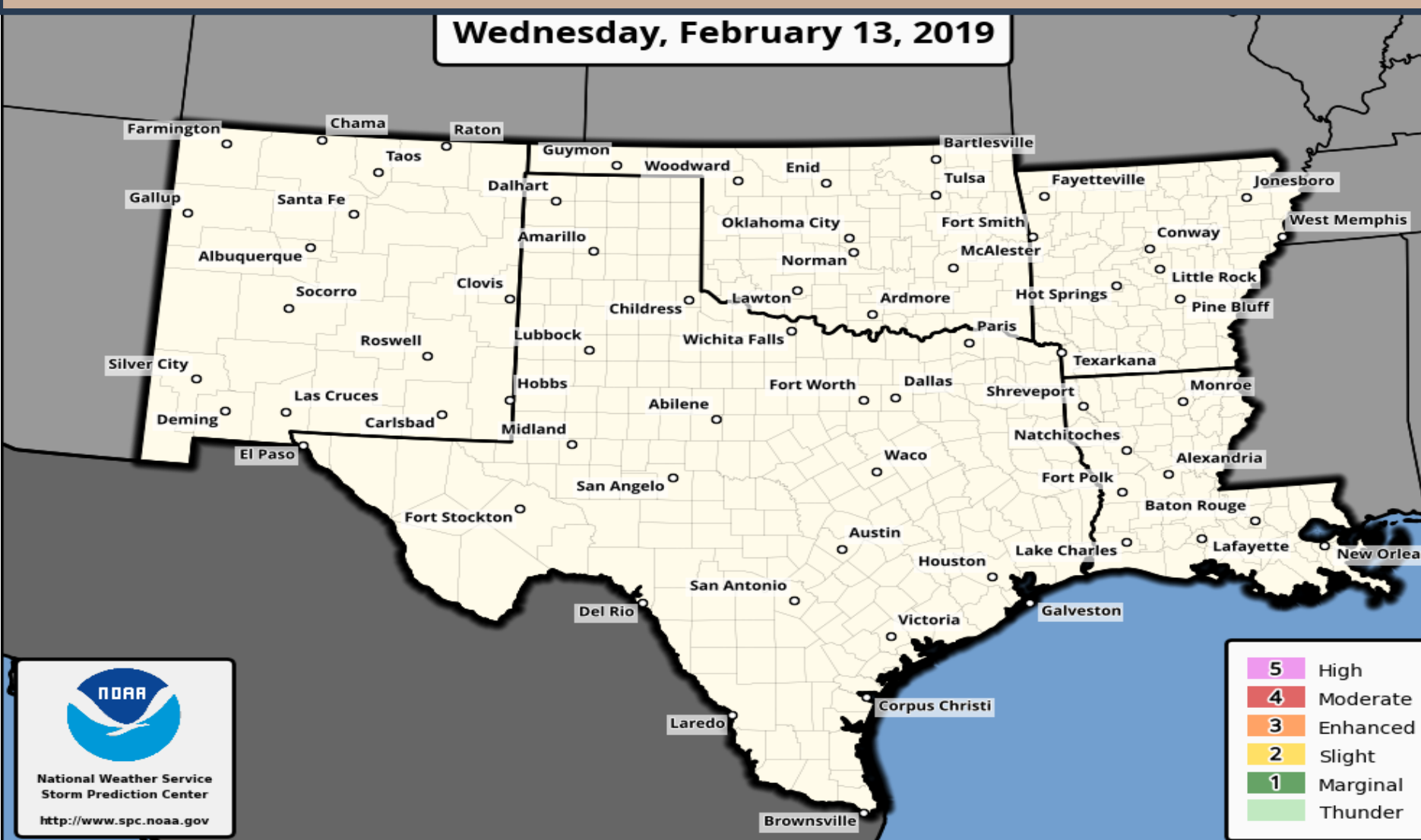


## Forecast Rainfall

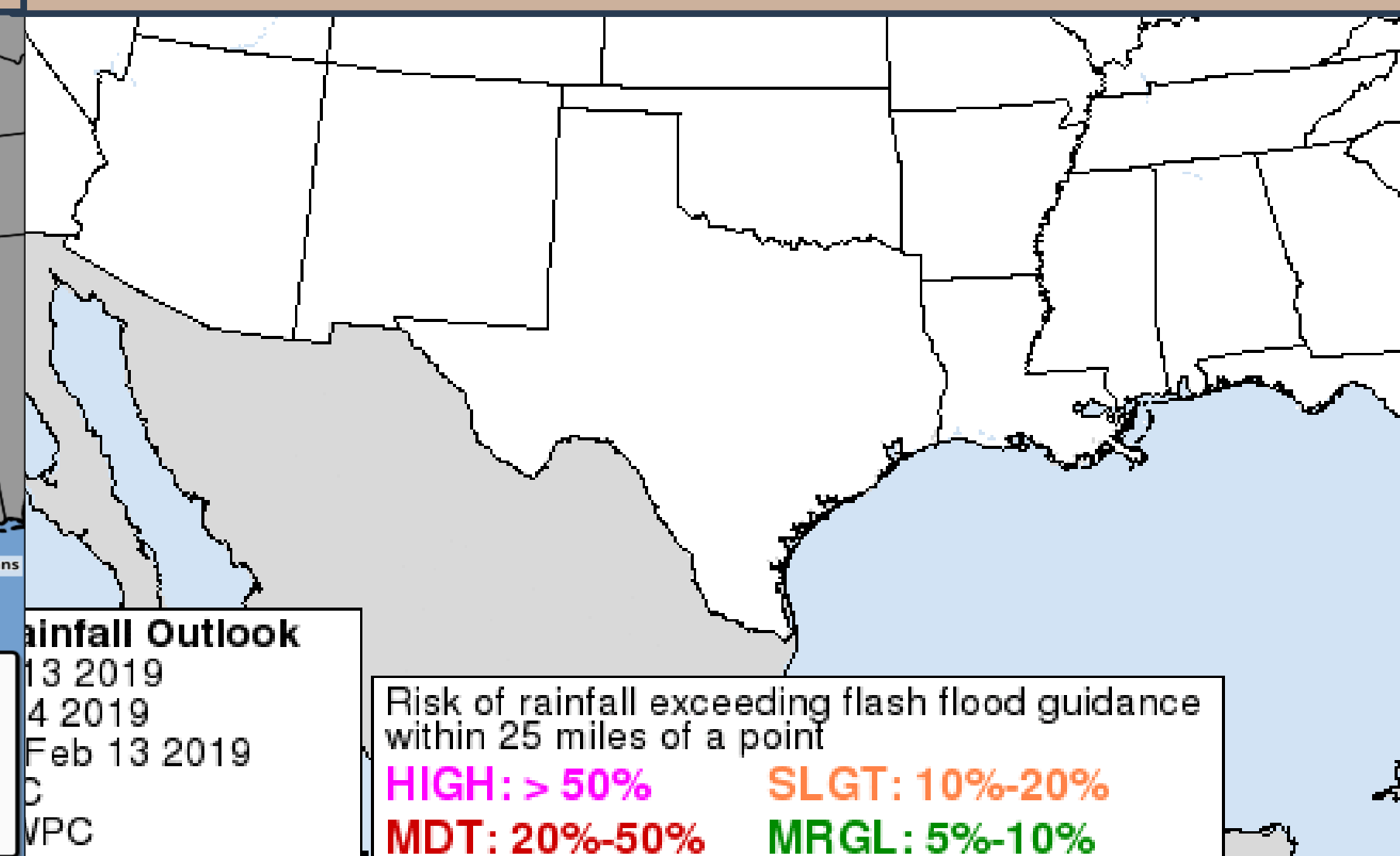


**Critical fire weather conditions  
over E NM into the TX/OK  
Panhandles.**

## Severe Weather Outlook



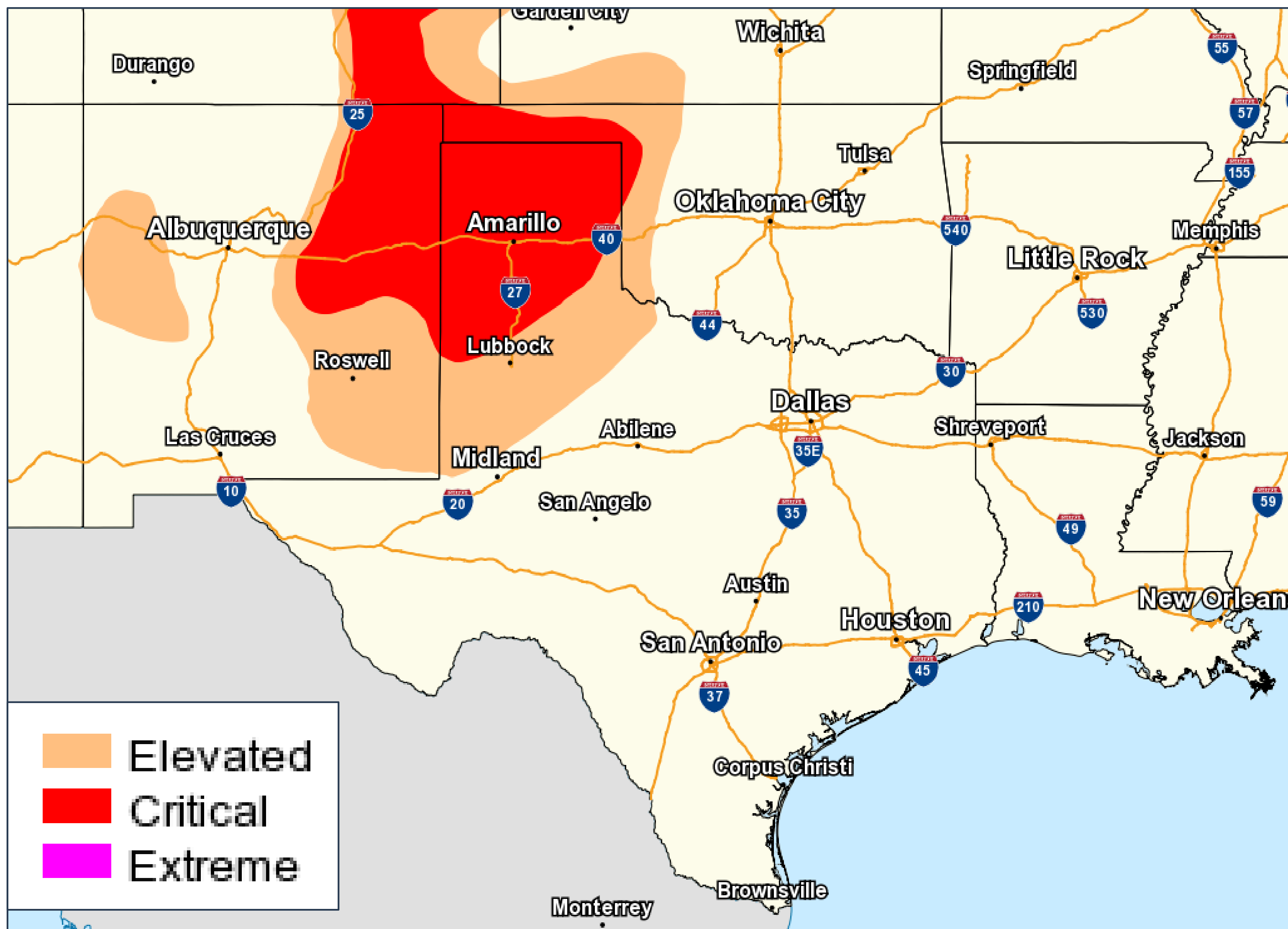
## Excessive Rainfall Outlook



# Today's Fire Weather Outlook



**SR ROC**  
REGIONAL OPERATIONS CENTER



**Critical fire weather conditions over E NM  
into the TX/OK Panhandles.**



# Tomorrow's Weather

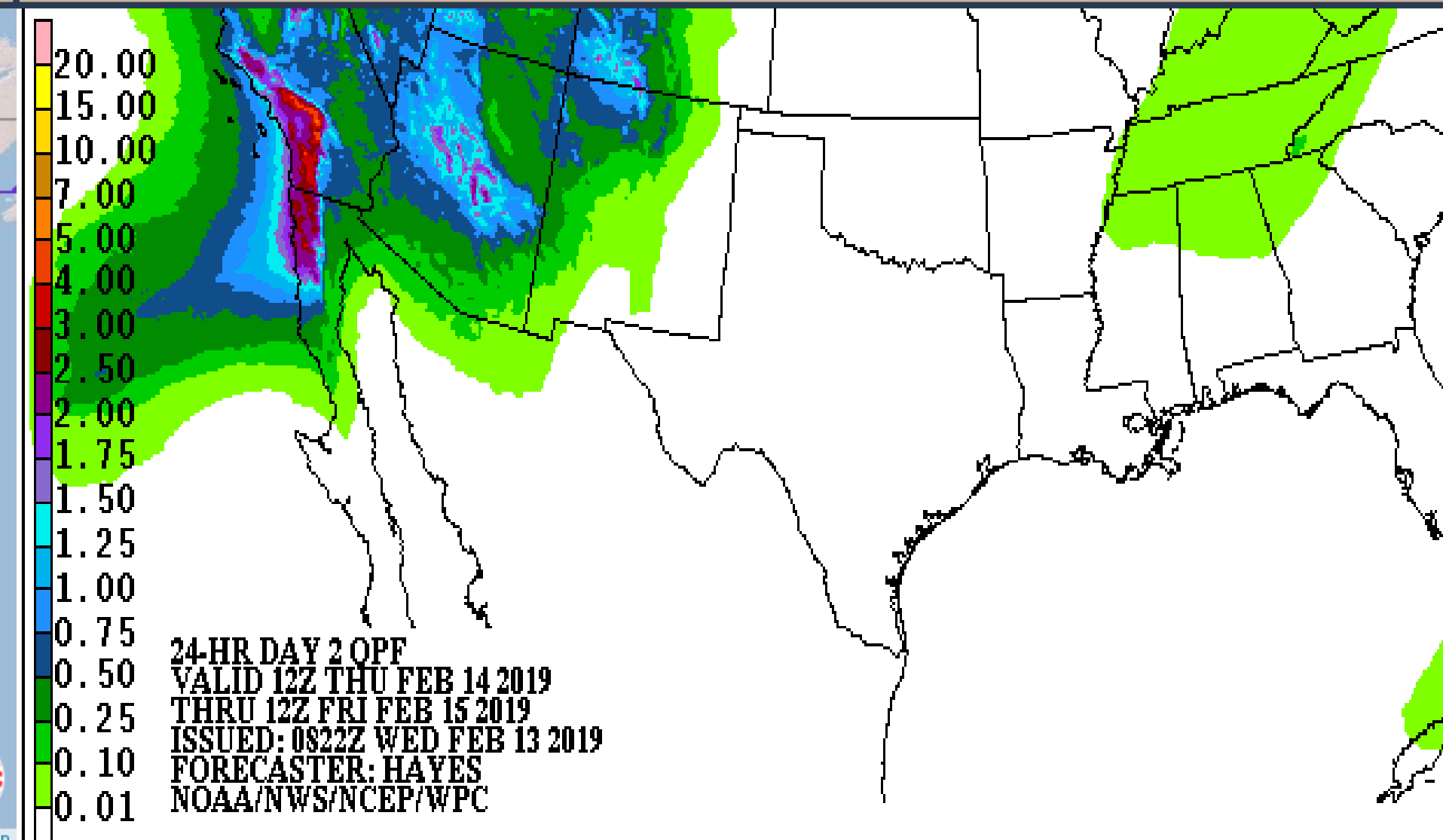
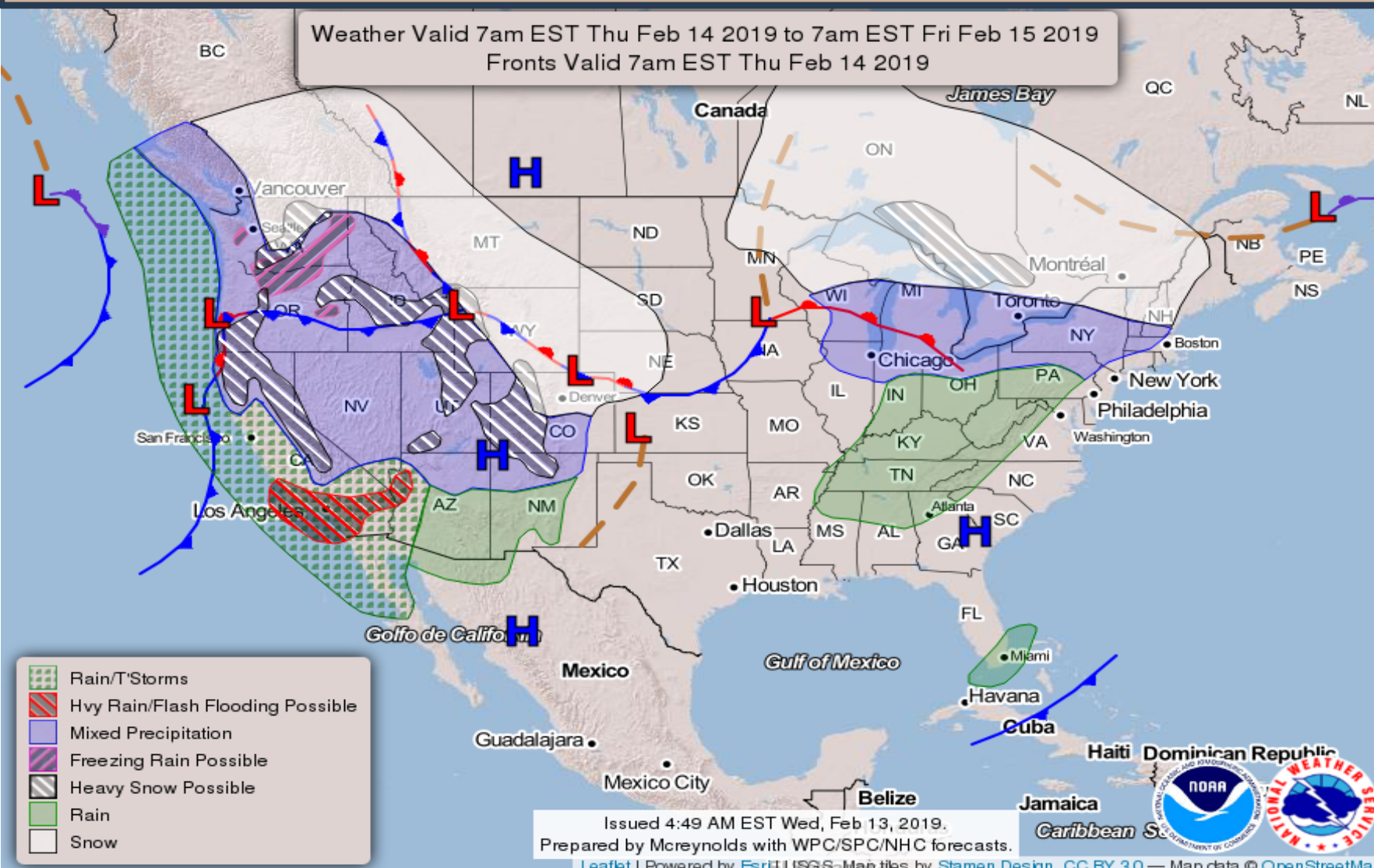


SR ROC  
REGIONAL OPERATIONS CENTER

## Forecast Chart

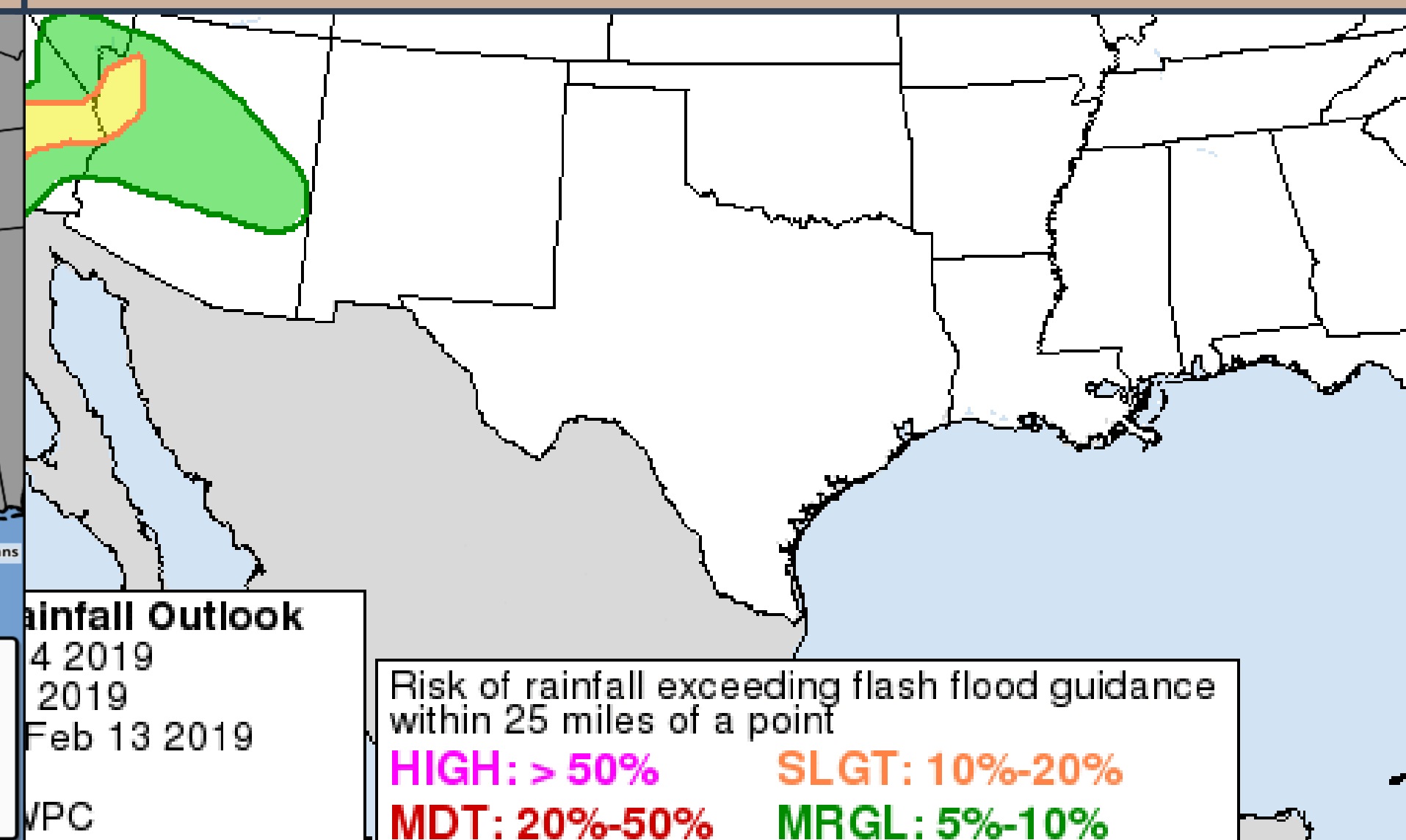
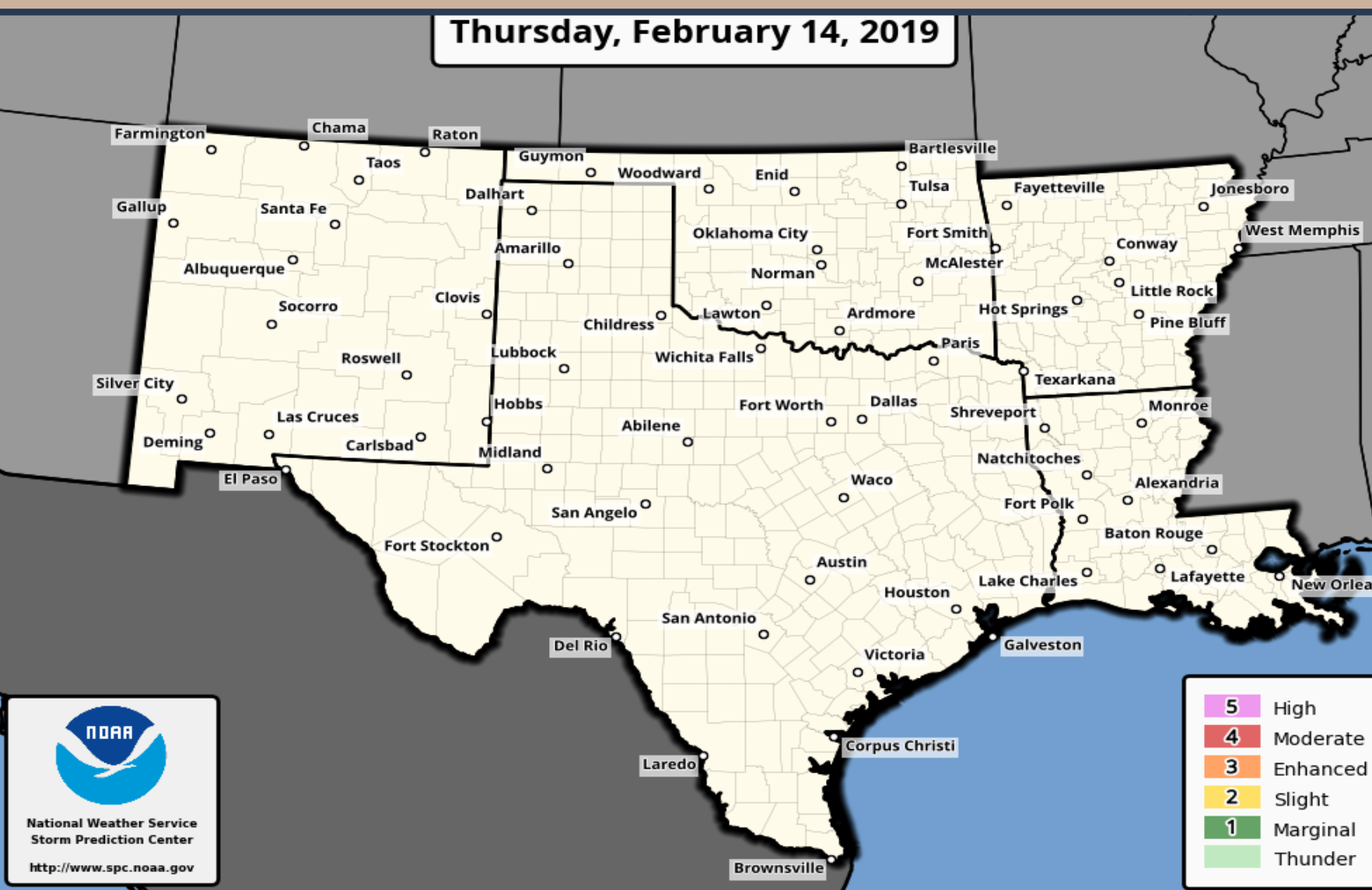
## Forecast Rainfall

Elevated fire weather  
conditions for E NM into W  
TX/OK.



## Severe Weather Outlook

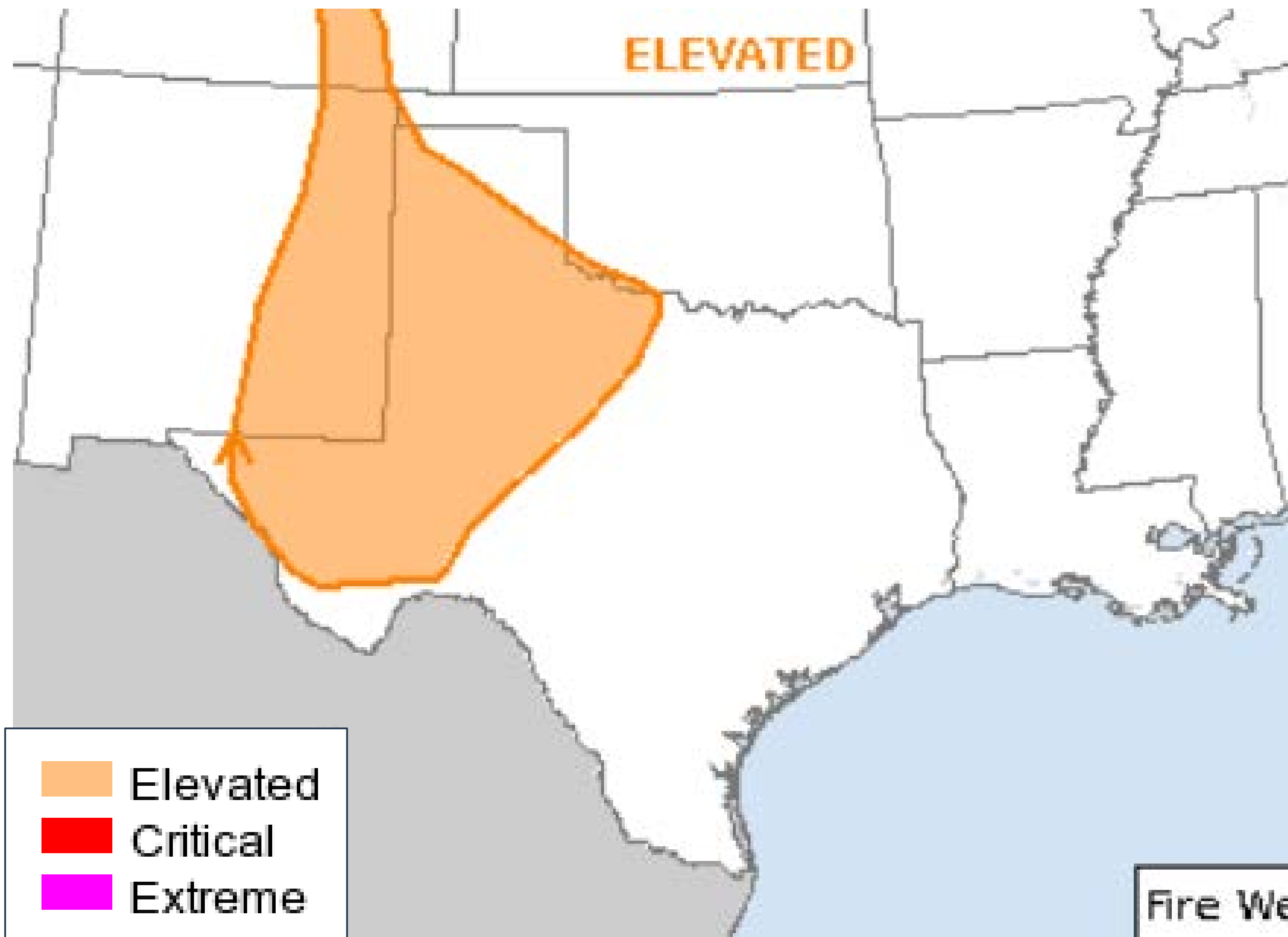
## Excessive Rainfall Outlook



# Tomorrow's Fire Weather Outlook



**SR ROC**  
REGIONAL OPERATIONS CENTER



**Elevated fire weather conditions for E NM  
into W TX/OK.**

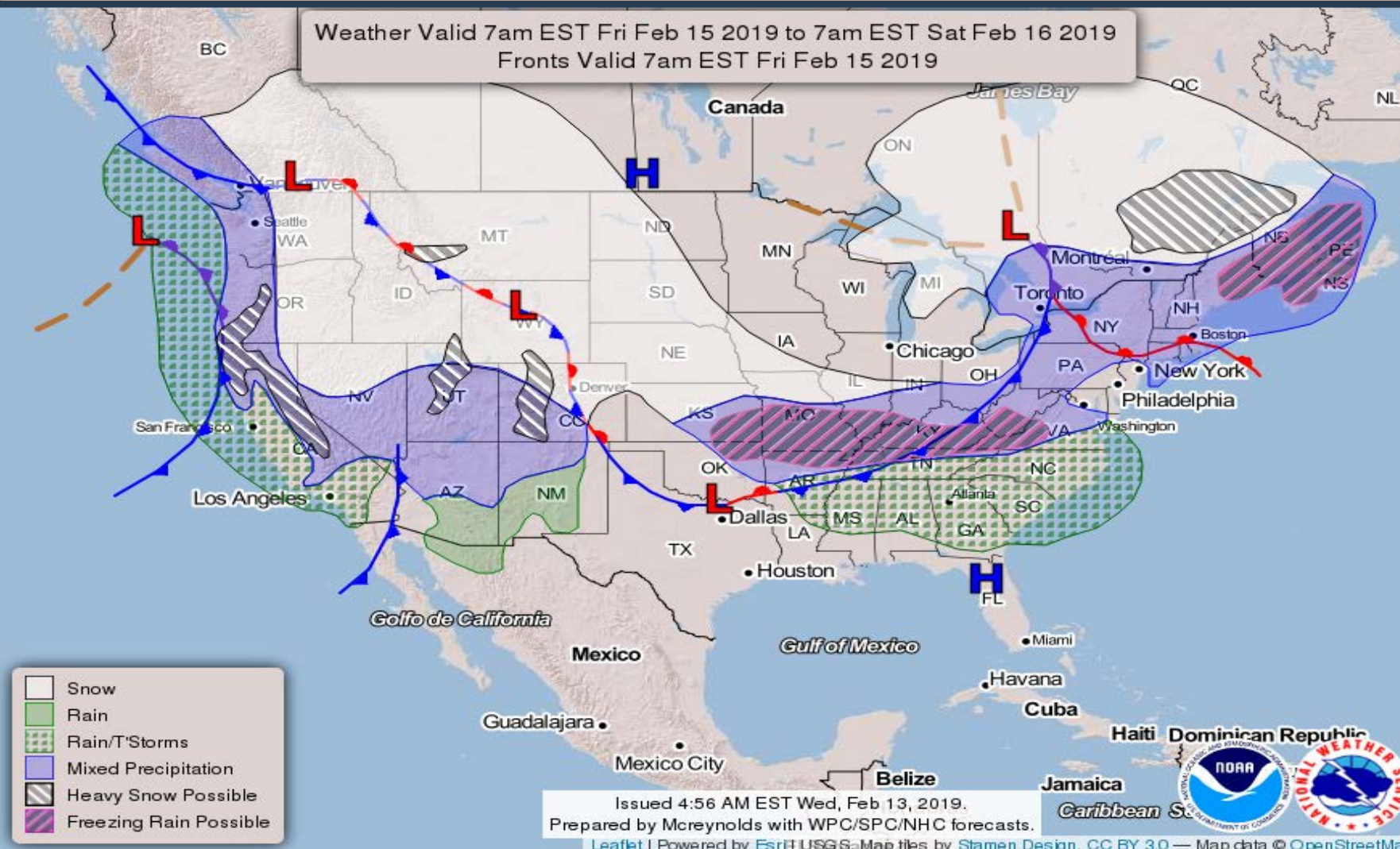


# Friday's Weather

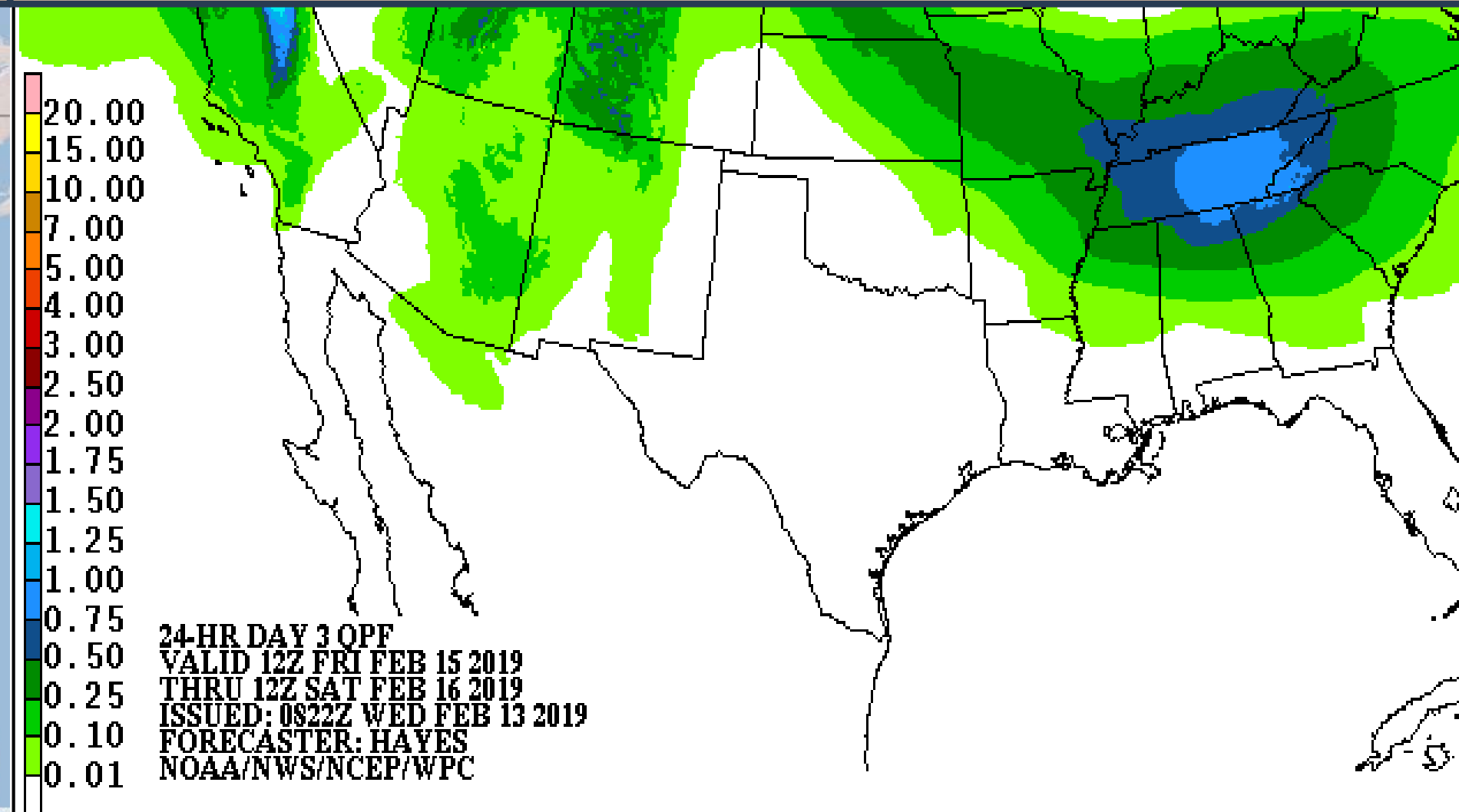


SR ROC  
REGIONAL OPERATIONS CENTER

## Forecast Chart



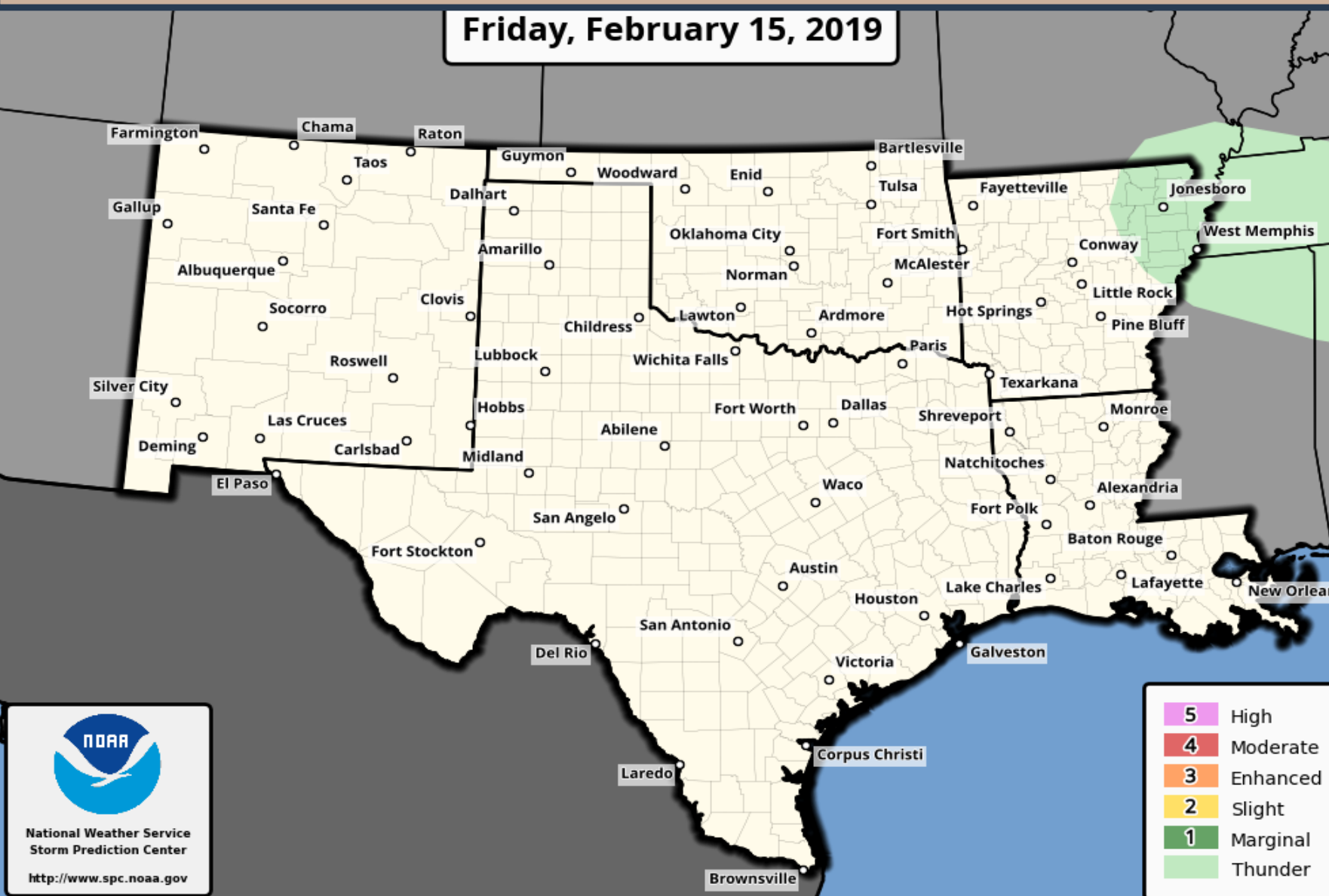
## Forecast Rainfall



No Significant Weather  
Impacts Expected.

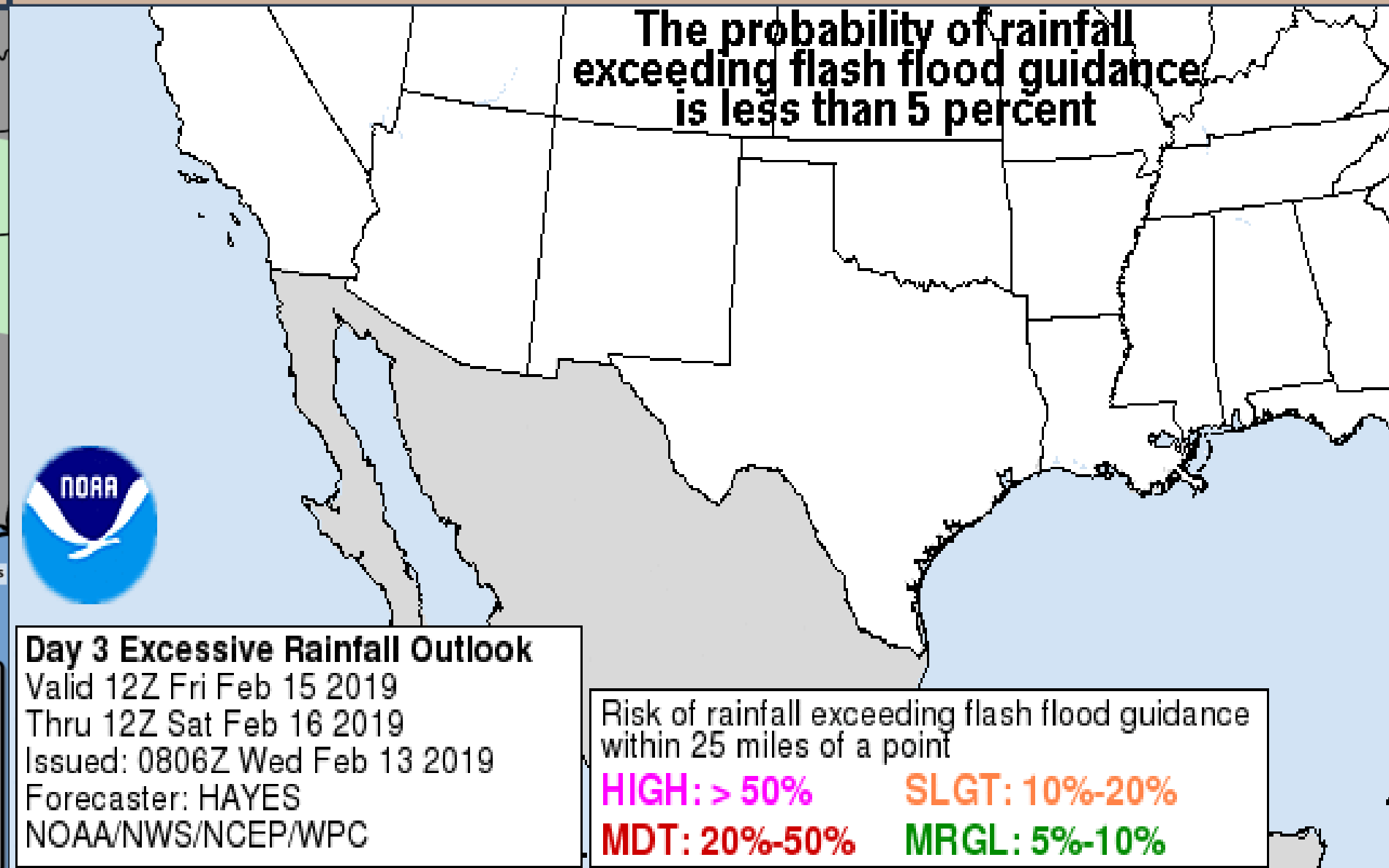
## Severe Weather Outlook

Friday, February 15, 2019



## Excessive Rainfall Outlook

The probability of rainfall  
exceeding flash flood guidance  
is less than 5 percent



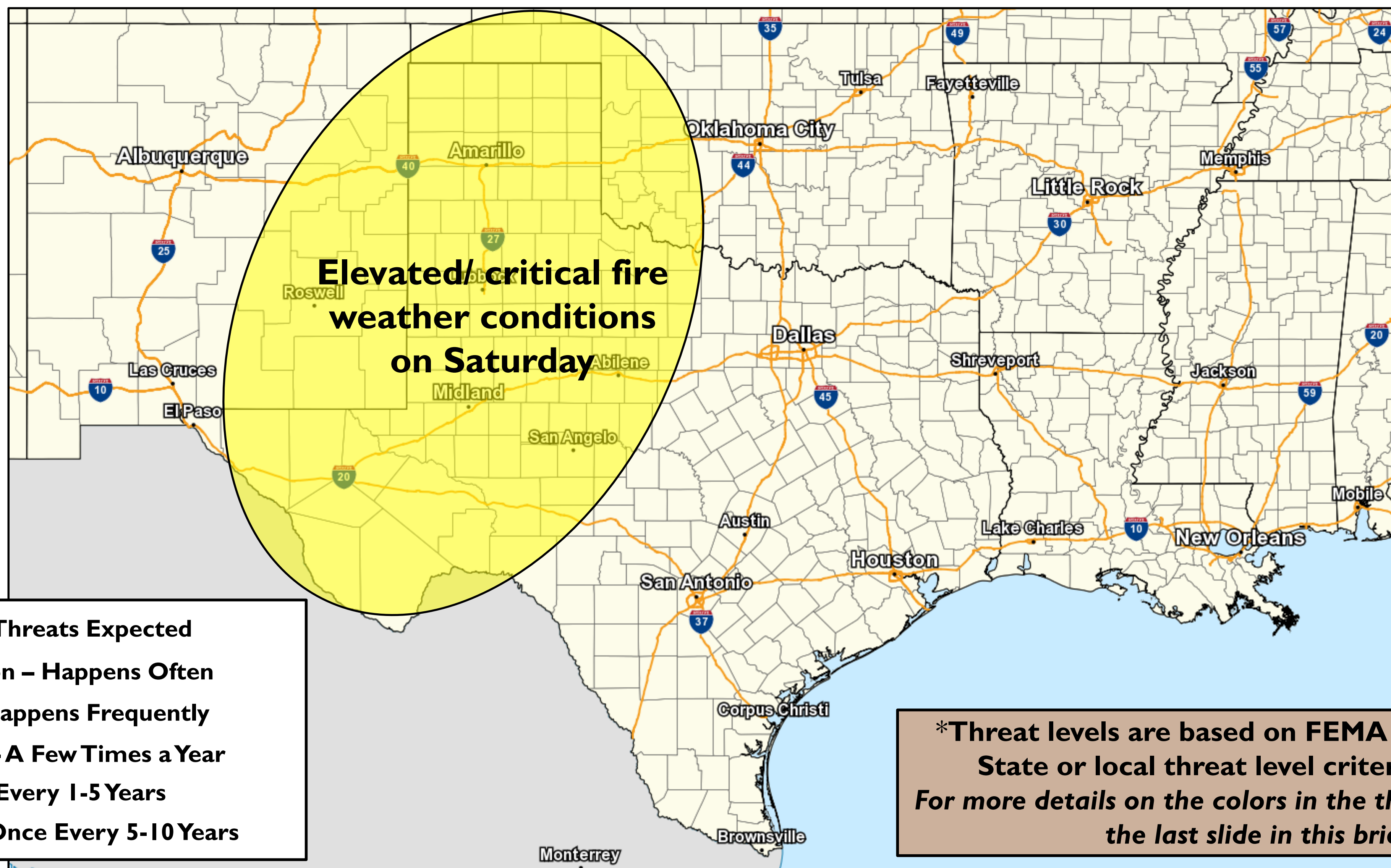


# Days 4-5 Weather Hazards

Saturday – Sunday



SR ROC  
REGIONAL OPERATIONS CENTER



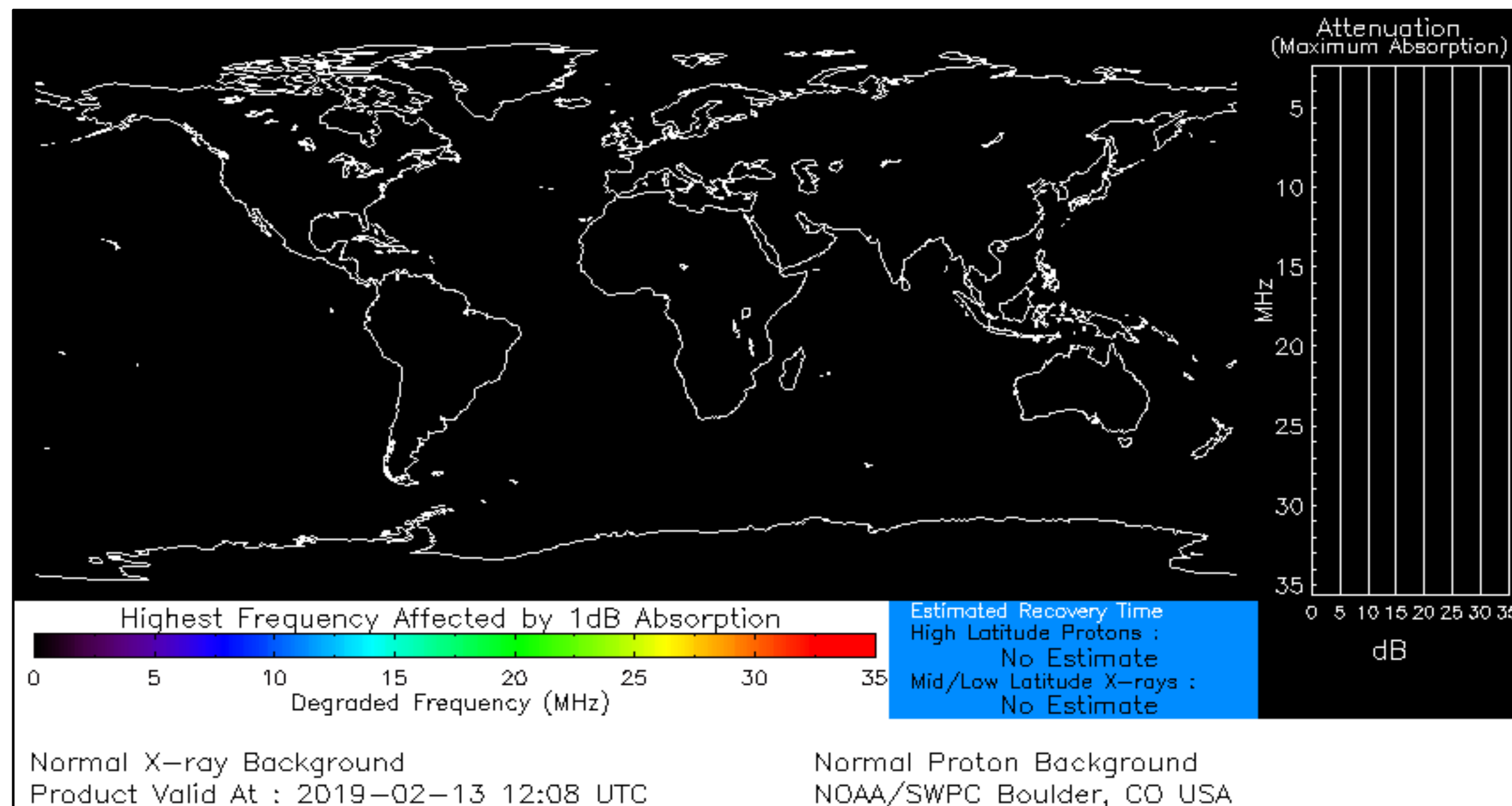


# Space Weather 3-Day Forecast



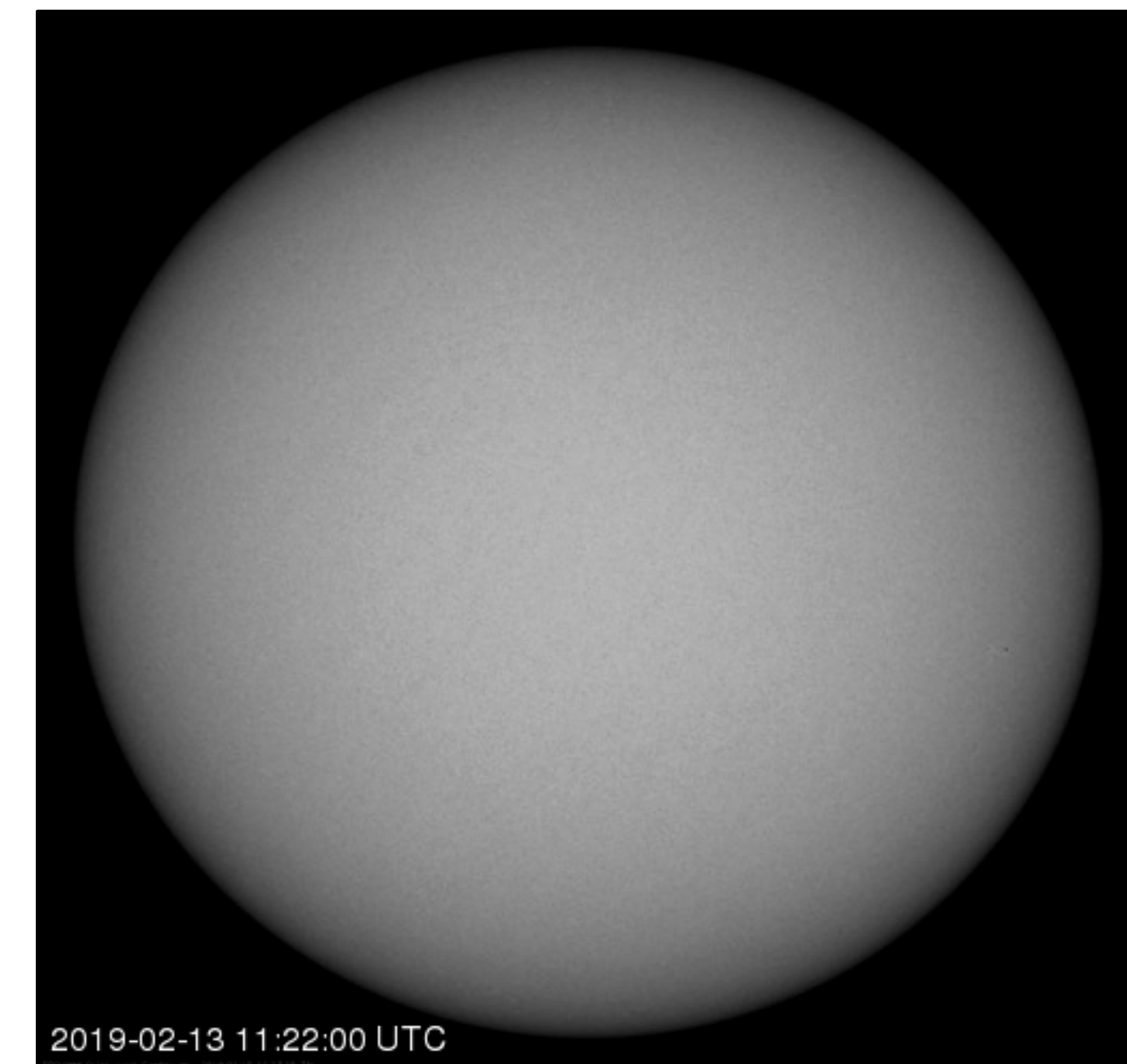
**SR ROC**  
REGIONAL OPERATIONS CENTER

	Wednesday	Thursday	Friday
Geomagnetic Storms	Quiet to Active (Max Kp = 4)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)





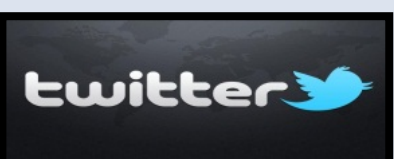
# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**